2nd And Final Bill

M. A. R. 57 (Rule 116)
Measurement Book

Work code - 005-20-000009
No. B Est cost Rs. 99.00 Lakhs

Serial No. .....
Name of Work ..... Improvements Water Tanker Supply 494953 in Ward
From ..... To .....
Name of Contractor of nature of Agency ..... No. 05.
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name & Contractor -		Executive Engineer. KRIDL # 280, 59th cross Road, 17th C Main Road 3rd & Block. Rajajinagara. Bangalore. 560010				
	Work order No:	BBMP/EE/BSP/WO/128/2019-20					
①	Supply & Drinking water through Water Tankers & Capacity 5000 Litres Hiring & Water Tankers Nine Cranes & Tractor Head including Operator and Fuel Procurement & Water @ 216.00 Load (5000 Litres) ex.						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Considering 5000 liters Capacity of 108.00 Bund etc.. Completed as per Registration and direction of the Engineer in charge of the Work						
	Log book Enclosed.						
	@ Kogilu, Kogilu Layout And Agrahara, Agrahara Layout Area And Surrounding Area.						
	1/02/2020 to 29/02/2020					348	Loads
	1/03/2020 to 31/03/2020					372	Loads
	1/04/2020 to 30/04/2020					360	Loads
	1/05/2020 to 31/05/2020					360	Loads

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

494954

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1-06-2020 to	30-06-2020			-	360	Loads
	1-07-2020 to	31-07-2020			-	360	Loads.
						2160	
	(b) Kathrigenahalli, Dwarkanagara Surrounding Area.						
	1-02-2020 to	29-02-2020			-	348	Loads
	1-03-2020 to	31-03-2020			-	372	Loads
	1-04-2020 to	30-04-2020			-	360	Loads
	1-05-2020 to	31-05-2020			-	360	Loads
	1-06-2020 to	30-06-2020			-	360	Loads
	1-07-2020 to	31-07-2020			-	356	Loads
						2156	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	① Jakkur and Srirampura Surrounding Area.						
	1.02.2020 to 29.02.2020				-	348 Loads	
	1.03.2020 to 31.03.2020				-	372 Loads	
	1.04.2020 to 30.04.2020				-	360 Loads	
	1.05.2020 to 31.05.2020				-	360 Loads	
	1.06.2020 to 30.06.2020				-	360 Loads	
	1.07.2020 to 31.07.2020				-	360 Loads	
						2160	
	② Kogilu Kogilu Layouts And Agrahara Agrahara Layouts Surrounding Area				-	2160 Loads	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To.....

494955

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(1) Katrisenahally & Dwarkanagara Surrounding Area.				-	2156 Loads	
	(3) Jakkur & Sriramapura Surrounding Area				-	2160 Loads	
						6476 Loads	
	Rate. 537:00						3477612:00
(2)	For Physical investigation of site for Sinking Borewells for supplying drinking water to the habitation either through the hand pumps MWS & PWS by Electrical and Solar by adopting Vertical or Sentimeger method including						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measure
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Reconnaissance Survey & geological formation Geophysical investigation crossing ground water indicating the location & the type recommended depth & 1.0 MSR in consolidated formation Compress as per Specification.						
	Previous day. 6.0 Nos						
	Present day. NIL						
(3)	Sinking borewell & 165mm dia clear using suitable hydraulic DTH & Capacity 250 PSI & above CFM and above. in all strata including over burden upto 20 MSR Steel & casing pipes covering and casing with necessary cutting grouting and welding						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

494956

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Providing & laying cement concrete in foundation & plinth including curing & compaction complete as per design & drawing with 20 mm nominal size graded stone aggregate (Machine mixed) in the proportion 1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)	0.00	30.00			30.00 MT	
						Previously 300.00 MT	
						Present Qty NIL	
(4)	Sinking bore wells of 168 mm dia cleaning using Super Soft hydraulic rig of capacity 200 PSI Crawl above CF mud above in all strata including overburden & rock up to 20.00 M depth & casing PVC strainers and cap with necessary assp						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Jointing and welding including providing & lay and testing complete as specification. 50.00 to 100.00 MM.						
	Previous day - 300.00 MM						
	Present day - Nil						
	(5) Sinking & boring & 165 mm diameter using duplex fully hydraulic rig & capacity 200 PSI & above CFM and above in all soils including overburden consisting to 20 mts & fixing & casing pipe and cap with necessary cutting jointing and welding ex. complete as per specification. 100.00 to 180.00 MM						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

494957

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
					Previous Qty.	300.00 MW	
					Present Qty.	NIL	
	(6) Sinking boreholes of 168 mm dia receiving Super Sass hydraulic press of capacity 200 TSH and above CFM and above in all soils including overburden encountered 20 MWS giving & casing covering and cap necessary using etc. complete as per specification					180 to 200 MW	
					Previous Qty.	300.00 MW	
					Present Qty.	NIL	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measuremen
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(7) Sinking bore wells & 165 mm dia clean using Super Soft hydraulic DTH & Capacity 200 PSI & above CFM & above in all strata including over burden up to 20 mtr strata & casing PVC pipes Coloring and cast iron necessary cutting drilling and welding including transportation & duty and super vertical crew charges and carr & conveying etc.. complete 200 to 250 mtr						
						Previous Qty. 300.00 mtr	
						Present Qty. Nil	
	(8) Sinking & bore wells & 165 mm dia clean using Super Soft hydraulic DTH & Capacity 200 PSI & above CFM & above in all strata including over burden up to 20 mtr strata & casing PVC pipes coloring and cast iron necessary cutting drilling and welding including transportation						

Under

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

494958

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Drg and Surveying etc.. complete of Generation 200 to 300.00 MW						
			Previous Qty. 300.00 MW				
			Present Qty. NIL				
(9)	Sinking bore well 686 mm dia even using Super Soft hydraulic drg & capacity drg & capacity 200 PSIG and above CFM and above in all strata including over burden upto 20 Mtrs Boring & casing PVC casing and capping necessary including threads and welding including temporary drg and capacity vehicles Fuel charges and also D						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Conveying ese.. 300 to 370.00 MW	complete as per Specification					
		Previous Qty - 547.00 MW					
		Present Qty - Nil					
(10)	Supply & ISI Mark 175 mm nominal bore medium class ERW casing pipes, 5mm thick plain ends conforming to IS 1387/1993 and manufactured from hot rolled steel steel/skelps in random length 4 to 7.0 mtrs bore enlarged at one end as per ese.. complete.						
		Previous Qty - 408.00 MW					
		Present Qty - Nil					

M. A. R. 57 (Rule 116)
Measurement Book

No. B 494959

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(11)	Providing and fixing 250 mm dia PVC pipes as complete as per specification.						
			Previous Qty. 60.00 MW				
			Present Qty. Nil				
(12)	175 mm dia MS casing cap complete as per Specification						
			Previous Qty. 6.0 Nos				
			Present Qty. Nil				
(13)	MS Casing pipe couplings complete as per Specification						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	and direction of the Engineer incharge of the Work						
			Previous Qty -			68.00	Nos
			Present Qty -			NIL	
(14)	Fabrication supplying and mounting MS box of 16 SWG suitable for floor wall mounting heavy weather proof with provision for bottom dissipation provided with hinged front cover complete with tamper proof locking arrangement with suitable size cleats complete as per specification.						
			Previous Qty -			132000	Sq cm
			Present Qty.			NIL	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

494960

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(15)	Lagoon Charges for erection of new submersible pump set along with pipe (32/80 mm) pumpset is received which is supplied by the department erection complete.					Retained Submersible pump set new Submersible	
			Previous Qty			330.00	
			Present Qty			NIL	
(16)	Erection & commissioning Power board meter board with necessary mesential and Lagoon including providing cc 1:3:6 foundation bed erection complete.						
			Previous Qty			6.0	
			Present Qty.			NIL	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(17)	Supplying and fixing 8 Porcelain fuse channel with cut out on existing wooden panel using necessary nuts bolts and washer etc. with all lead and lift and complete as per specification.					Previous Qty. 18.00 Present Qty. Nil	
(18)	Supplying and laying 2 Li run cable having aluminium conductor pvc insulated sheathed galvanised steel wire/steel tape armoured cable with pvc outer sheath 1.1 kV class 4 core 16 sqmm cable complete as per specification.					Previous Qty. 210.00 Mtr Present Qty. Nil	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 494961

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(19)	Digging 8 Trenches 8 0.6 mtr deep 8 0.50 mtr wide in the existing pvc trenches to me required ground level and compacting etc. complete as per specification.					Previous Qty. 210.00 Mtr Present Qty. Nil	
(20)	Supplying and fixing 8 class A GI Pipe on pole and Drain Crossing with necessary Clamping arrangements for 1.1 kv class power cable complete as per specification.					Previous Qty. 18.00 Mtr Present Qty. Nil	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(21)	Supplying fixing wiring earth electrode for grounding conducting IC cut off and equipments on the master board using Hommedia 2.90 mm three cil pipe 2.50 mm long buried in a pit the pit should be filled with earth proportion as such and charcoal 150 mm all around the pipe to compleate depth etc. complete as per Specification						
			Previous Qty.			6.00	
			Present Qty.			NIL	
(22)	Supplying and fixing HT cast iron pot heads suitable for 1.1 KV class 16 sq mm Copper cored XLPE insulating compound complete with terminals glands etc complete.						
			Previous Qty			6.0 Nos	
			Present Qty.			NIL	

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Measurement Book

No. B

494962

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(23)	Supplying and fixing 8 Polished wood board made of not less than 15 mm thick Planks on both sides with Planks made out of not more than 2 pieces and fixing the same to the wall using fastened inserted wooden plugs screws etc. size 20 x 20 x 2.5 cm with all lead and key etc. complete.						
			Previous		Qty	6.0 Nos	
			Present		Qty	NIL	
(24)	Borewell cap and clamps less complete as per specification						
			Previous		Qty.	6.00 Nos	
			Present		Qty.	NIL	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(25)	Supply and delivery of size Grand New Reserve impr... Lubrisaver Atlanta Calamel make Suitable for varia... in Sealation in 100 mm Dia bore well complising of Single Sta... or more stage CI Pump Close coupled by means of Steel... Steel Coupling to Suitable HP Suitable Speed Motor ... and Speed with Pure Drinking water Submer... induction Motor for operation of 3 Ph 50 Hz 380/4... Volts AC Supply Speed with Required accessories ... As Supply etc-complete.						
			Previous day - 3.00 Nos				
			Present day - Nil				
(26)	Supply and delivery of size Grand New Reserve impr... Lubrisaver Atlanta Calamel make Suitable for ... Vertical in stages Stan... in 150 mm Dia bore well Sub...						

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No. B

494963

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	& Single Stage or more stage CI Pump Close coupled by means of Steel Coupling to Suitable HP Suitable Speed Motor ... Assembly enclosed by Stainless Steel with Pure Drinking water Submersible induction Motor Suitable for operation of 3 Ph 50 Hz 380/440 Volts AC Supply Speed with Required accessories as ... etc-complete.						
			Previous day			3.00	Nos
			Present day			Nil	
(27)	Providing Laying and jointing GI Pipes conforming to IS Specification & approved make with Stainless Steel as coupling ... bends & elbows, Teed, nipples, Plugs with caps, Unions, valves						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	White Lead and threads Services Crane over reaching as per Specification.						
					Previous Qty.	1980.00 Mtr	
					Present Qty.	Nil	
(28)	Supply and fixing Cocoor Gr GI Pipes 50 mm Complete as per Specification.						
					Previous Qty.	330.00 Nos	
					Present Qty.	Nil	
(29)	Supplying & Submersible Pump Caste 1 Y 3 x 6 50 mm Complete as per Specification.						
					Previous Qty.	4080.00 Mtr	
					Present Qty.	Nil	

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Measurement Book

No. B

Serial No. .....

494964

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(30)	Supplying and delivery as per size brand new (Essar/Lotus Sunshine) Adarsh AC Control box Indigenous make complete energy meter term control panel board unit of size 1200x600x300 MM minimum mechanical strength and vermin and water proof the unit shall have SPD detachable doors suitable for operation on 3PH 50 HZ 380/ 440 V AC supply with spring loaded latch locking with a key. Shall be provided inside the door 20 KP with Standard Stander (CMRI) complete as per Specification						
					Previous Qty.	6.00 Nos	
					Present Qty.	Nil	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Refer to la Measur
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(31)	Supplying and delivery of Brand 80 mm Gate Valve Complete as per Specification.						
					Previous day.	6.00 Nos	
					Present day.	Nil	
(32)	Supply & delivery of Brand 50mm NRV Reflux Valve Complete as per Specification.						
					Previous day.	6.00 Nos	
					Present day.	NIL	
(33)	Supplying and Fixing MCB Complete as per Specification and direction of Engineer in charge.						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

494965

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			Previous asy.			6.00 Nos	
			Present asy.			NIL	
(34)	Earth Work Excavation for foundation & building & water supply sanitary lines and electrical conduits either in pits or in trenches 1.50 mtr and above in width in ordinary soil not exceeding 1.50 mtr in depth including dressing the sides and ramming the bottom as per specification.						
			Previous asy.			678.78 m^3	
			Present asy.			NIL	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref to Meas
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
(35)	Providing and installing as per & work 63 m (0.662) pvc Pipes & 6 kg/cm including cost & Pipes and Specials and labour including lowering into the laying true to line level and gradient including jointing & approved jelly lubricant and all incidental labour and all charges including ex.. complete as per Specification.						
			Previous Qty. 1508. 00 MM				
			Present Qty. NIL.				
(36)	Refilling available earth around Pipe lines in layers not exceeding 20cm in depth compacting each deposited layer by ramming after wat						

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No. B

Serial No. .....

494966

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	WOH Lead upto 50 m and Lift upto 1.50 mtr including Cost & all Lagos Complete as per Specification.						
			Previous Qty.			678.78 m^3	
			Present Qty.			Nil-	
	Bescom Charges -		Previous Amount			79302 : 00	
			Present Amount			- Nil -	

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MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
					Total	Amount	3477612=00
				Add	12%	GST	417313=00
				Add	3%	KRIDL Charges	104328=00
				Add	1%	Labour Cess	34776=00
							4034029=00

C/FC

Seen

7/9/2020

7/9 ಮುಖ್ಯ ಇಂಜಿನಿಯರವರ ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಇಂಜಿನಿಯರವರ ಕಚೇರಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-26

7/9/2020

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಇಂಜಿನಿಯರವರ ಕಚೇರಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

494967

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificate.	(1) Certified that the Work is done Satisfactory. (2) This bill Amount has not been claimed in any previous bill.					

7/9/2020
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ

7/9/2020
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು-26

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